

LANDIS, Ye.M.

A theorem on three spheres. Dokl. AN SSSR 148 no.2:277-279 Ja
'63. (MIRA 16:2)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavleno akademikom I.G. Petrovskim.
(Functions of complex variables) (Differential equations)

PETROVSKIY, Ivan Georgiyevich; MYSHKIS, A.D.; OLEYNIK, O.A.;
GAL'PERIN, S.A.; LINDIS, Ye.M.; MOROZOVA, I.Ye., red.

[Lectures on the theory of ordinary differential equations] Lektsii po teorii obyknovykh differentsial'nykh uravnenii. Izd.5., dop. Moskva, Nauka, 1964. 272 p.
(MIRA 18:1)

S/020/62/146/004/002/015
B112/B186

AUTHORS: Gerver, M. L., Landis, Ye. M.

TITLE: A generalization of a mean value theorem for functions of many variables

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 146, no. 4, 1962, 761 - 764

TEXT: The authors consider an n -dimensional bounded region G which is situated within the strip $\{a < x_1 < b; -\infty < x_k < \infty, k \geq 2\}$. It is assumed that $\text{mes } \bar{G} < 1, a < 0, b > 1$. The intersections of the boundary Γ of G with the hyperplanes $x_1 = a$ and $x_1 = b$ are denoted by Γ_a and Γ_b , respectively. A twice continuously differentiable function $f(x) = f(x_1, \dots, x_n)$ is given on the closed region \bar{G} . The following theorem is proved: There is a finite number of smooth surfaces S_1, \dots, S_k such that $\bigcup_{i=1}^k S_i$ divides Γ_a from Γ_b in G and $\sum_{i=1}^k \int_{S_i \cap G} |\partial f / \partial n| ds < 8$.
Card 1/2

A generalization of a mean value...

S/020/62/146/004/002/015
B112/B186

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University imeni M. V. Lomonosov)

PRESENTED: April 17, 1962, by I. G. Petrovskiy, Academician

SUBMITTED: April 13, 1962

Card 2/2

LANDISBERG, L.Ya.; BELAYA, V.M.

Operation to induce an artificial paralysis of the diaphragm and
pneumoperitoneum in the treatment of a spontaneous pneumothorax.
Probl.tub. 34 no.4:64 Jl-Ag '56. (MIRA 9:11)

1. Iz Kremenetskogo protivotuberkuleznogo dispansera Ternopol'skoy
oblasti.
(LUNGS--SURGERY)

BELAYA, V.M., ROMANYUK, L.M., LANDISBERG, YA. I.

Pneumoperitoneum, Artificial

Changes of cardiac sounds in tuberculosis during treatment with artificial pneumoperitoneum. Probl. tub. no. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August ¹⁹⁵² ~~1953~~ Unclassified.

LANDISBERG, Ya.I.; GORUK, Z.I.; MUSIY, Ye.R.; ROMANYUK, L.M. (Kremenets,
Ternopol'skoy obl.)

Use of inhalations of aerosol expectorants for the diagnosis of
tuberculosis. Vrach.delo no.7:745-747 JI '59. (MIRA 12:12)

1. Kremenetskiy protivotuberkuleznyy dispanser.
(TUBERCULOSIS--DIAGNOSIS) (AEROSOLS)

LANDISHEVSKIY, V. P.

Fish Culture

Achievements of collective farm fish culture. Ryb. khoz., 28, No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1953², Uncl.

137 AMP. 138 SERIAL PROCESSING AND PROPERTY INDEX

2

The free energy of formation from elements of the solid anhydrous sodium sulfate. N. A. Landiya (Polytech. Inst., Tbilisi). J. Phys. Chem. (U.S.S.R.) 21, 1487-9 (1947) (in Russian).—The free energy of the reaction $2 \text{Na(solid)} + \text{S(rhombic)} + 2 \text{O}_2(\text{gas}) = \text{Na}_2\text{SO}_4(\text{solid})$ is $-327,470 - 0.23 T \ln T - 0.00125 T^2$ — 3118 J, T being the abs. temp. J. J. Bikerman

ASAC-5LA METALLURGICAL LITERATURE CLASSIFICATION

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22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

LANDIYA, N. A.

Landiya, N. A.- "The heat capacity and entropy of solid anhydrous sodium sulfate," A commemorative collection of transactions dedicated to the 25th anniversary of the Institute," (Gruz. politekhn. in-t im. Kirova, vol 7), Tbilisi, 1948, p. 383-88, (Resume in Georgian),-Bibliog: 11 items

SO: U-5240, 17, Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25. 1949).

CA 6

Free energy of formation of anhydrous sodium sulfide from the elements. N. A. Landrya (Polytech. Inst., Tbilisi). *Zhur. Fiz. Khim.* 24, 257-60 (1950).--The free energy at 25°, calcd. from literature data in two ways, is -86,700 or -86,600 cal. J. J. Bikerman

PA 190T18

USSR/Chemistry - Thermodynamics Aug 51

"Calculation of Heat Capacities of Solid Inorganic Compounds at High Temperatures," N. A. Landiya, Georgian Order of Labor Red Banner Polytech Inst
Imeni S. M. Kirov, Tbilisi

"Zhur Fiz Khim" Vol XXV, No 8, pp 927-941

Proposes method for computing heat capacities of compds of varying deg of complexity on the basis of entropy at 2980K. Max error for most substances in interval 4730K - m. pt is 8%. When m. pt is not known, proximate eq which increase the error by only 3-4% can be used. When entropy is not known, one may

LC 190T18

USSR/Chemistry - Thermodynamics (Contd) Aug 51

add entropies of neutral groups or ions (of elements in the case of alloys). Data obtained are of importance for thermodynamic calcs in examn of chem reactions and for computation of heat balances in production processes.

LANDIYA, N. A.

LC

190T18

LANDIYA, N.A.; MCHEDLOV-PETROSYAN, O.P.

Thermodynamics of the solid-phase reactions in the system calcium oxide-silica. Zhur. Fiz. Khim. 26, 1785-90 '52. (MLRA 6:2)
(CA 47 no.13:6231 '53)

1. Politekhnikheskiy institut imeni S.M. Kirova, Tiflis.

Landiya N.A.

6 Chem

Relation between entropy and heat capacity of complex inorganic compounds. N. A. Landiya (S. M. Kirov Polytech. Inst., Tbilisi). *Zhurn. Fiz. Khim.* 27, 495-501 (1953); cf. *C.A.* 46, 2987b. Heat capacity at 298°K. for 120 complex oxide compds. was computed from (1) $C_{p,0} = 4.0 - (3.0/S_{0,0})$ and (2) $C_{p,0} = 6.0 - (4400/S_{0,0}T)$, where n_1 and n_2 are the no. of atoms in

anion and cation, and compared to expl. values. In general, (1) gives better results than does (2), and it is more expedient to use (1) for computation of C_p at high temp. Compds. giving considerable deviation from expl. contain mols. of gases or the form of the salts of specific oxy acids is improperly pictured. The accuracy of (2) can be considerably improved if compds. of type $A_nB_mO_p$, even in individual cases be investigated as $A_nO_{n/2}B_mO_{m/2}$. *60*

V. N. Bednarski

PM

LANDIYA N.A.

Chemical Abstracts
Vol. 48 No. 5
Mar. 10, 1954
General and Physical Chemistry

Calculation of high-temperature heat capacities of in-
organic substances by the use of a single value of low-tem-
perature heat capacity. N. A. Landiya (S. M. Kirov
Polytech. Inst., Tiflis). *Zh. fiz. Khim.* 27, 624-30
(1953); cf. *C.A.* 46, 2896b. Heat capacities at high temps.
can be calcd. by means of the equation $(C_p)_T = [6.6 -$
 $[a/(b + k(T - b))] + aT^2]/n$, where $a = 6.6 - (C_p)_{T_1}$,
 $\alpha = 0.0214(C_{pT_1}/n^2/T_1 T_2)$, $C_p = (C_p)_T - \alpha T^2$,
and T , T_1 , T_2 , C_p , and n are the abs. temp. at which C_p
is desired, the abs. temp. at which C_p is known, the m.p. or
transition point, the molar heat capacity at const. pressure,
and the no. of atoms per mol. of the compd., resp. For all
substances that evolve gases on heating, $b = T_1$ and $k =$
 $(a - T_1)/(1.15a - T_1)$; for all other oxy salts and for
oxides, most of whose atoms are oxygen, $b = 0.8a$; for all
other oxides and for simple or complex nonoxygen-contg.
compds., $b = a/0.87$. For substances that do not evolve
gases on heating, $k = a/0.87 T_2$. Calcd. and literature
values of C_p tabulated for 53 salts, show that this method is
more accurate than that based on the Debye function.

J. W. Lowenberg, Jr.

Landiya, N. A.

The free energy of formation of solid dry sodium sulfite and hydrosulfide from their elements. N. A. Landiya. *Trudy Gruz. Politekh. Inst.* 1953, No. 28, 4-9; *Russk. Zhur., Khim.* 1956, Abstr. No. 6280. — From literature data the change of free energy of formation from simple elements of the solids Na_2SO_3 ($-240,134$ cal./mol.) and NaSH ($-52,020$ cal./mol.) is calcd. Standard entropy of NaSH is accepted as 19.8 ± 1 entropy units. N. Vasilov

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LANDIYA, N.A.; MCHEDLOV-PETROSYAN, O.P.

Concerning V.I. Lebedev's article "Some examples of energy analysis of processes in the formation of silicates according to Professor S.A. Shchukarev's method." Zap. Vses. min. ob-va 82 no. 3: 228-229 '53. (MLRA 6:11)
(Silicates)

LANDIYA, N. A., Doc Chem Sci -- (diss) "High Temperature Thermal Capacity of Crystalline Inorganic Substances and Methods of Their Evaluation for Application in ^{the} Thermodynamic Investigation of Chemical Reactions." [Mos], 1957.

31 pp with graph^s, 1 ^{sheet of} diagram^s (Acad Sci USSR, Inst of General and Inorganic Chemistry im N. S. Kurnakov), 150 copies

(KL, 47-57, 85)

6

SOV/137-58-7-15600

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 240 (USSR)

AUTHOR: Landiya, N. A.

TITLE: On the Relationship Between the Atomic Entropy and the Temperature of the Beginning of Internal Self-diffusion in Crystalline Substances (O zavisimosti mezhdru atomnoy entropiyey i temperaturuy nachala vnutrenney samodiffuzii v kristallicheskikh veshchestvakh)

PERIODICAL: Tr. Gruz. politekhn. in-t, 1957, Nr 7, (55), pp 125-136

ABSTRACT: To calculate the specific heat of a number of substances the specific heat of which is higher than the classical one at the melting point or at the polymorphic transformation temperature T_{tr} , the temperature T' is introduced. The temperature T' corresponds to the beginning of internal self-diffusion and is determined by the expression: $T' = (5070/S_{atom})$. Here $S_{at} = (S_{298}/n)$ is the atomic entropy; S_{298} is the standard entropy of the compound; n is the number of atoms in the compound. The processes occurring within crystalline solids (polymorphic transformation, sintering, recrystallization, and others) that are associated with an intensive exchange of

Card 1/2

SOV/137-58-7-15600

On the Relationship Between the Atomic Entropy (cont.)

positions within the lattice should begin at the temperature T' . A satisfactory congruence of experimental values for T_{tr} , such as sintering temperatures and recrystallization temperature, with the values for T' was obtained with a large number of substances. S_{at} decreases with an increase in the complexity of the compound, in connection with which T' increases and these processes are displaced to higher temperatures. Therefore, when selecting or producing a heat-stable material (for example for a cutting tool) one of the conditions should be a low value for S_{at} . A low S_{at} is the cause of the greater heat stability of cutting tools made of W and Ti carbides and also of microlites. Thus, in a microlite the T' of the Al oxide is 2000°K and the T' of the silicate base is $1450-1470^{\circ}\text{K}$. Bibliography: 15 references.

1. Materials--Specific heat 2. Materials--Entropy 3. Materials D. T.
--Temperature factors

Card 2/2

LANDIYA, N.A.; ERISTAVI, D.I., red.; GIORGADZE, O.N., red. ~~ind~~-va;
BOKERIYA, E.B., tekhn. red.

[Computation of high-temperature heat capacities of solid in-
organic substances by standard entropy] Raschet vysokotemperatur-
nykh teploemkostei tverdykh neorganicheskikh veshchestv po stan-
dartnoi entropii. Tbilisi, Izd-vo Akad. nauk Gruzinskoj SSR,
1962. 221 p. (MIRA 16:1)
(Solids) (Heat capacity)

LANDIYA, N.A.; TSAGAREYSHVILI, D.Sh.

Effect of the accuracy of the initial entropy values on the error in calculating the high-temperature heat capacities of solids. Soob. AN Gruz. SSR 30 no.3:281-288 Mr '63.

(MIRA 17:6)

1. AN GruzSSR, Institut metallurgii, Tbilisi. 2. Chlen-korrespondent AN Gruzinskoy SSR (for Landiya).

LANDKOF, G.

"Textile Machines at the Leipzig Fair. p. 30. Vol. 7, no. 1, Jan. 1953, Lodz.
Tasks of the Institute of Industrial Design in the Field of Scientific Research According
to the Six-Year Plan." Lodz, Vol. 7, no. 1, Jan. 1953. Biuletyn p. 1.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

LANDKOF, G

"New technique in the Soviet textile machinery industry; a summary." p. 269
(Przemysl Wlokienniczy, Vol. 7, No. 11/12, Nov./Dec., 1953, Lodz)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 6, June.
1954, Uncl.

LANDKOF, N. S.

"On the Position of ^{IV}Regular Points in the Generalized Problem of Dirichlet,"
Dokl. AN SSSR, 39, No.9, 1943

Inst. Math., Ukr AS, Kiev

LANDKOV, N.S.

Landkov, N. On some characteristics of irregular points in the generalized problem of Dirichlet. *Rec. Math. [Mat. Sbornik]* N.S. 19(61), 175-182 (1946). (Russian. English summary)

The author considers some functions which may serve for characterization of an irregular point P of an open set Ω . Let $c(\rho)$ be the capacity of the intersection $\omega(\rho)$ of the sphere $s(\rho)$ of radius ρ about P with the exterior of Ω ; let $w(\rho)$ be the value at P of the potential of equilibrium mass distribution over $\omega(\rho)$; let $\mu(\rho)$ be the part of Green's masses for the point P lying within $s(\rho)$. It is shown that

$$\lim_{\rho \rightarrow 0} \frac{\log \mu(\rho)}{\log \rho} = \lim_{\rho \rightarrow 0} \frac{\log w(\rho)}{\log \rho} = \lim_{\rho \rightarrow 0} \frac{\log c(\rho)}{\log \rho} = -1.$$

The common value of the above limits is considered as the order of the given irregular point. *E. F. Beckenbach.*

Source: Mathematical Reviews,

Vol 8 No. 8

Landkoff, N. Sur la résolubilité du problème de Dirichlet généralisé. Bull. Acad. Sci. URSS. Sér. Math. [Izvestia Akad. Nauk SSSR] 11, 181-196 (1947). (Russian. French summary)

Appelons, dans le problème de Dirichlet (pour le domaine Ω de frontière P), ensemble résolvant E un ensemble de points irréguliers tel que pour tout φ bornée continue (sur P), la solution généralisée H_φ tende en tout $P \in E$ vers $\varphi(P)$ s'il en est ainsi aux points de E . Keldych avait annoncé l'existence d'un ensemble résolvant dénombrable [C. R. (Doklady) Acad. Sci. URSS (N.S.) 18, 315-318 (1938)]. L'auteur le démontre à partir d'un résultat étendant un peu un théorème de Frostmann: si $P_n \in \Omega$ tend vers Q irrégulier et si la distribution des "masses de Green" μ_{P_n} (obtenue par balayage généralisé) converge (vaguement au sens de H. Cartan) vers $\nu(Q)$, alors ν vaut la réunion d'une masse ponctuelle m en Q et de $(1-m)\mu_Q$. Allant plus loin l'auteur montre que parmi les ensembles dénombrables résolvants, il y en a un minimum, formé des Q irréguliers jouissant de la propriété que μ_{P_n} tend vers la masse-unité en Q quand P_n tend vers Q . Cette convergence de μ_{P_n} quand P_n décrit seulement une suite $P_n \rightarrow Q$ équivaut à ce que H_{φ_n} ne tend pas toujours vers $\varphi(Q)$ quand H_φ prend les valeurs $\varphi(P_n)$ aux points P_n (c'est-à-dire tend vers $\varphi(P_n)$ en tout P_n).

M. Brelot (Grenoble).

Source: Mathematical Reviews, 1948, Vol. 9, No. 1

LANDKOV, N. S.

Landkof, N. Sur la densité de certains systèmes de fonctions harmoniques dans l'espace des fonctions continues sur un ensemble. C. R. (Doklady) Acad. Sci. URSS (N.S.) 55, 7-8 (1947).

Let E be a closed and bounded set of points in the complex z -plane, such that E has no interior points. Let $C(E)$ be the normed linear space of all real functions $f(z)$ continuous on E , with norm defined by $\|f\| = \max_{z \in E} |f(z)|$. Let Ω be the complement of E , so that $\Omega = \sum_{i=1}^{\infty} \Omega_i$, where the Ω_i are domains. Let $\{O_i\}$ be a partial sequence of $\{\Omega_i\}$, with frontiers r_i , such that (*) $E = r$, $r = \sum_{i=1}^{\infty} r_i$, but such that (*) is not satisfied if any r_i is omitted. Let z_0 be a fixed point of O_i and let $\lambda(E)$ be the real linear envelope of the functions $\Re 1/(z-z_0)^n$, $\Im 1/(z-z_0)^n$, and $\log 1/|z-z_0|$, where n and m take on all nonnegative integral values; but $\log 1/|z-z_0|$ is omitted if z_0 is in an infinite domain.

The author seeks conditions under which $\lambda(E)$ is dense in the space $C(E)$. The two following results are announced. In order that $\lambda(E)$ be dense in $C(E)$, it is sufficient that E contain no indecomposable continuum. The class $\lambda(E)$ is dense in $C(E)$ if and only if the open set $\sum_{i=1}^{\infty} \Omega_i$ has no irregular point. E. F. Beckenbach (Los Angeles, Calif.).

Source: Mathematical Reviews, 1948, Vol 9, No. 1

LANDKOF, N. S.

25341. LANDKOF, N. S. Ob odnom garmonicheskom invariante i povedenii nekotorykh ogranichennykh analiticheskikh funktsiy vblizi granitsy oblasti Uchen. Zapiski Kharbk Gos. un-ta im Gorbkogo, T. XXIV. Zapilasti Uchen Zapiski Kharbk. Gos. in-ta im Gorbkogo, T. XXIV. Zapiski Nauch-issled in-ta Matematiki i mekhaniki i Kharbk. Matem. O-va, ski Nauch-issled. in-ta Matematiki i Mekhaniki i Kharbk. Matem o-va, seriya 4, T. XIX, 1948, s. 161-66.

EO: Letopis' Zhurnal Statey No. 30, Moscow, 1948

LANDKOF, N.S.

Landkof, N. S. Some new properties of the set of irregular points for the generalized Dirichlet problem. Har'kov. Gos. Univ. Uč. Zap. 29—Zap. Mat. Otd. Fiz.-Mat. Fak. i Har'kov. Mat. Obsč. (4) 21 (1949), 145–163. (Russian)

Let Ω be a bounded region in 3-dimensional space and let F be the boundary of Ω . The author gives examples to show that the set of irregular boundary points of F relative to Ω may comprise a linear continuum and that the points of such a continuum may be accessible from outside Ω . A region Ω is said to be of type (I) if every open Jordan arc on F is accessible from outside by a Jordan surface. The main result of the paper is the theorem that if Ω is a region of type (I) and L a plane Jordan curve lying on F , then the irregular points of L relative to Ω form a set of second category.

M. G. Arsove.

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1-7W

Small
MT

Landkof, N. S. Approximation of continuous functions by
harmonic functions. Mat. Sbornik N.S. 25(67), 95-106
(1949). (Russian)

L'auteur démontre e. complète des résultats déjà annoncés
[C. R. (Doklady) Acad. Sci. URSS (N.S.) 55, 7-8 (1947);
ces Rev. 9, 29]. Il faut signaler que l'essentiel avait déjà
été indiqué, avec une démonstration voisine, basée aussi sur
le théorème des systèmes totaux de Banach, par J. Deny
[Bull. Soc. Math. France 73, 71-73 (1945); ces Rev. 7, 205]
qui est revenu sur le sujet avec plus de détails [voir
l'analyse ci-dessous]. M. Brelot (Grenoble).

Source: Mathematical Reviews,

Vol. No. 4 1

AGRANOVICH, Z.S.; POVZNER, A.Ya.; LANDKOF, N.S., otvetstvennyy redaktor;
GONCHARENKO, A.P., tekhnicheskiy redaktor

[The application of operational methods to the solution of some
problems in mathematical physics] Primenenie operatsionnykh
metodov k resheniiu nekotorykh zadach matematicheskoi fiziki.
Khar'kov, Izd-vo Khar'kovskogo gos. univ. imeni A.M.Gor'kogo, 1954.
53 p. (MIRA 9:10)
(Calculus, Operational) (Mathematical physics)

AKHIEZER, N.I.; LANDKOP, N.S., redaktor; LIMANOVA, M.I., tekhnicheskii
redaktor

[Academician S.N. Bernshtein and his work on a constructive theory
of functions] Akademik S.N. Bernshtein i ego raboty po konstruk-
tivnoi teorii funktsii. Khar'kov Izd-vo Khar'kovskogo gos.univ.
im. A.M. Gor'kogo, 1955. 110 p. (MLBA 8:10)
(Bernshtein, Sergei Natonovich, 1880-) (Functions)

STEKLOV, Vladimir Andreyevich; LANDKOF, N.S., redaktor; YANOVITSKIY, N.A.,
tekhnicheskiiy redaktor ~~_____~~

[Asymptotic expression of some functions determined by linear differential equations of the second order, and their application to problems of expansion of random function into a series of these functions] Ob asimptoticheskom vyrazhenii nekotorykh funktsii, opredelennykh lineinym differentsial'nym uravneniem vtorogo poriadka, i ikh primeneni k zadache razlozheniya proizvol'noi funktsii v riad po etim funktsiiam. Red. i kommentarii N.S.Landkofa. Khar'kov, Izd-vo Khar'kovskogo ordena Trudovogo Krasnogo Znameni gos. univ. im. A.M.Gor'kogo, 1956. 136 p. (MLRA 10:3)

(Functions) (Differential equations, Linear)

LEVIN, Boris Yakovlevich; LANDKOF, N.S., redaktor; TIKHONOVA, E.P., redaktor;
TUMARKINA, N.A., ~~tekhnicheskiy~~ redaktor

[Distribution of roots of entire functions] Raspredelenie kornei
tselykh funktsii. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry,
1956. 632 p. (MLRA 9:9)
(Functions, Entire)

DRINFEL'D, Gershon Ikhelevich; LANDKOF, N.S., dotsent, otv.red.; VAYNBERG,
D.A., red.; TROFIMENKO, A.S., vekhn.red.

[Supplement to the general course in mathematical analysis]
Dopolneniia k obshchemu kursu matematicheskogo analiza. Khar'kov,
Izd-vo Khar'kovskogo gos. univ., 1958. 117 p. (MIRA 12:2)
(Calculus)

AGRANOVICH, Zalman Samoylovich; MARCHENKO, Vladimir Aleksandrovich;
LANDKOF, N.S., dotsent, otv.red.; TRET'YAKOVA, A.N., red.;
TROFIMENKO, A.S., tekhn.red.

[Inverse problem of the theory of scattering] Obratnsia zadacha
teorii rasseianiia. Khar'kov, Izd-vo Khar'kovskogo gos.univ.,
1960. 267 p. (MIRA 14:3)
(Scattering (Physics)) (Operators (Mathematics))
(Wave mechanics)

LANDKOF, N.S.

Smoothness of certain random functions. Uch.zap. KHGU 115:
135-148 '61. (MIRA 17:5)

S/020/62/147/003/003/027
B112/B186

AUTHOR: Landkof, N. S.

TITLE: Fourier transforms of certain classes of generalized functions

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 147, no. 3, 1962, 544 - 547

TEXT: The class M_2 of measurable functions $F(\omega)$ with

$$\sup_{-\infty < T < \infty} \frac{1}{T} \int_0^T |F(\omega)|^2 d\omega < \infty. \quad (1)$$

is considered. The class of the locally summable functions satisfying the condition

$$\int_{-\infty}^{\infty} |B(x + \varepsilon) - B(x - \varepsilon)|^2 dx = O(\varepsilon) \quad (\varepsilon \rightarrow 0, \infty), \quad (3)$$

where

$$B(x) \equiv \int_{-1}^1 F(\omega) \frac{e^{-2\pi i \omega x} - 1}{-2\pi i \omega} d\omega + \text{l.i.m.}_{N \rightarrow \infty} \int_{1 < |\omega| < N} F(\omega) \frac{e^{-2\pi i \omega x}}{-2\pi i \omega} d\omega, \quad (2)$$

Card 1/2

Fourier transforms of certain...

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is denoted by Δ_2 , while Δ'_2 denotes the class of the generalized derivatives of elements from Δ_2 . The principal result of the paper is the following: For any $f(x) \in \Delta'_2$, there exists a function $F(\omega) \in M_2$, the generalized Fourier transform of which is $f(x)$. Two other theorems derived are analogous to that of N. Wiener and R. E. A. C. Paley (Fourier Transforms in the Complex Domain, N. Y., 1934).

PRESENTED: June 9, 1962, by V. I. Smirnov, Academician

SUBMITTED: May 26, 1962

Card 2/2

S/020/62/147/004/004/027
B112/B186

AUTHOR: Landkof, N. S.

TITLE: On the general theory of linear filters

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 147, no. 4, 1962, 776 - 778

TEXT: A transformation $y(t) = \int_0^\infty x(t - \tau) dU(\tau)$ (1) is called a linear filter ϕ . It is said to be stable if the transition function U satisfies the condition $\int_0^\infty |dU(\tau)| < \infty$. Weak stability of ϕ means that $U(t)$ is locally summable, that $U(t + \varepsilon) - U(t - \varepsilon) \in L^2$ for $\varepsilon > 0$, and that

$$\int_{-\infty}^{\infty} |U(t + \varepsilon) - U(t - \varepsilon)|^2 dt = O(\varepsilon) \quad (\varepsilon \rightarrow 0, \infty), \quad (2).$$

The function

$$F(w) = \int_0^\infty e^{-2\pi i \tau w} dU(\tau), \quad w = \omega + iy. \quad (3)$$

is called the frequency characteristic

Card 1/3

On the general theory ...

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B112/B186

of ϕ , $|F(\omega)|$ the amplitude-frequency characteristic, and the phase $\varphi(\omega)$ of $F(\omega) = |F(\omega)|e^{-i\varphi(\omega)}$ the phase-frequency characteristic. The filter ϕ is said to be of the minimum-phase type if $U(t) = 0$ for $t < 0$ and if $F(\omega)$ is continuous and different from zero for $\omega \leq 0$. The following five theorems are derived: 1. ϕ will be stable then and only then if

$\int_0^t |x(\tau)|^2 d\tau \leq Mt \quad (t \geq 0)$ implies $\int_0^t |y(\tau)|^2 d\tau \leq M_1 t \quad (t \geq 0) \quad (x(t) = 0 \text{ for } t < 0)$. 2. There will exist a stable inverse filter ϕ^{-1} if ϕ is stable and of the minimum-phase type and if the conditions

$$\inf_{-\infty < \omega < \infty} |F(\omega)| > 0, \\ \text{var } U_s(t) < \inf_{-\infty < \omega < \infty} \left| \int_0^\infty e^{-2i\omega\tau} dU_d(\tau) \right|$$

are fulfilled, $U_s(t)$ being the singular part of $U(t)$ and $U_d(t)$ its jump function. 3. An even non-negative function $A(\omega)$ will be the amplitude-phase characteristic of a weakly stable filter then, and only then, if

$$\int_{-\infty}^{\infty} \frac{|\ln A(\omega)|}{1+\omega^2} d\omega < \infty, \quad (4) \quad \text{and}$$

Card 2/3

On the general theory ...

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B112/B186

$$\sup_N \frac{1}{N} \int_0^N A^2(\omega) d\omega < \infty.$$

(5). 4. If the frequency characteristic of a weakly stable filter is continuous for $y \leq 0$, then there will exist a weakly stable filter of the minimum-phase type with the same amplitude-frequency characteristic. 5. A weakly stable filter will have a weakly stable inverse filter then and only then if it is of the minimum-phase type and if

$$\sup_{-\infty < N < \infty} \frac{1}{N} \int_0^N \frac{d\omega}{|F(\omega)|^2} < \infty.$$

(6).

PRESENTED: June 9, 1962, by V. I. Smirnov, Academician

SUBMITTED: May 26, 1962

Card 3/3

S/020/62/147/003/005/021
B112/B186

AUTHOR: Landkof, N. S.

TITLE: Fourier transforms of certain classes of generalized functions

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 147, no. 3, 1962, 544 - 547

TEXT: The class M_2 of measurable functions $F(\omega)$ with

$$\sup_{-\infty < T < \infty} \frac{1}{T} \int_0^T |F(\omega)|^2 d\omega < \infty. \quad (1)$$

is considered. The class of the locally summable functions satisfying the condition

$$\int_{-\infty}^{\infty} |B(x + \varepsilon) - B(x - \varepsilon)|^2 dx = O(\varepsilon) \quad (\varepsilon \rightarrow 0, \infty), \quad (3)$$

where

$$B(x) \equiv \int_{-1}^1 F(\omega) \frac{e^{-2\pi i \omega x} - 1}{-2\pi i \omega} d\omega + \text{l.i.m.}_{N \rightarrow \infty} \int_{1 < |\omega| < N} F(\omega) \frac{e^{-2\pi i \omega x}}{-2\pi i \omega} d\omega, \quad (2)$$

Card 1/2

Fourier transforms of certain...

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is denoted by Δ_2 , while Δ_2^1 denotes the class of the generalized derivatives of elements from Δ_2 . The principal result of the paper is the following: For any $f(x) \in \Delta_2^1$, there exists a function $F(\omega) \in \mathcal{M}_2$, the generalized Fourier transform of which is $f(x)$. Two other theorems derived are analogous to that of N. Wiener and R. E. A. C. Paley (Fourier Transforms in the Complex Domain, N. Y., 1934).

PRESENTED: June 9, 1962, by V. I. Smirnov, Academician
SUBMITTED: May 26, 1962

Card 2/2

LANDKOF, N. S.

On the general theory of linear filters, Dokl. AN SSSR 147
no.4:776-778 D '62. (MIRA 16:1)

1. Predstavleno akademikom V. I. Smirnovym.

(Information theory)

LANDEKOF, N.S.

Classes of functions characterized by their Fourier
transformations. Uch. zap. KHGU 195:23-43 '64.

(MIRA 17:10)

LANDKOF, N.S.

Hausdorf measures and capacities. Estimates of potentials.
Usp. mat. nauk 20 no.2:189-195 Mr-Apr '65. (MIRA 18:5)

HAAS, Peter, dr.; LANDLER, Ivan, dr.

Ileus caused by cholelithiasis. Orv. hetil. 104 no.2:1969-1973
20 0 '63.

1. Orvostovabbkepzo Intezet, Sebeszeti Tanszek.
(INTESTINAL OBSTRUCTION) (CHOLELITHIASIS)
(DIAGNOSIS) (SURGERY, OPERATIVE)
(PROGNOSIS) (STATISTICS)

RATNER, I.S., kand. tekhn. nauk; LANIMAN, A.A., inzh.

Modeling of the transmission of an impulse in hydraulic
pipes of a turbine control system. Energomashinostroenie
10 no.2:14-20 F '64. (MIRA 17:6)

L 10871-65 ENT(m)/ENP(b)/ENP(t) IJP(c) AFETR/RAKH(a) JD

ACCESSION NR: AR4046557

S/0058/64/000/008/H026/H026

SOURCE: Ref. zh. Fizika, Abs. 8Zh172

AUTHOR: Landman, I. M.

B

TITLE: Absorption of TE waves in walls of a metal trough

CITED SOURCE: Uch. zap. Iushanbinsk. gos. ped. in-ta, v. 24, no. 4, 1963, 94-99

TOPIC TAGS: waveguide propagation, TE mode, metal dielectric waveguide, electromagnetic energy loss

TRANSLATION: An analysis is made of the propagation of a TE electromagnetic wave along a trough (T) made up of two parallel dielectric plates placed between metal plates. Expressions are obtained for the electromagnetic waves in the different regions of the T. A graphic method for solving the characteristic equation of the T is

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ACCESSION NR: AR4046557

described. Conditions for the existence of waves of different orders are determined. The losses in the metal walls are determined in terms of the tangential components of the magnetic field on the wall surface. A final equation is presented, relating the attenuation of the waves in the T, due to the losses in the metal wall, with the wave numbers and parameters of the dielectric. A relation, borrowed from N. N. Malov (RZhFiz, 1959, no. 9, 20934), is presented for the calculation of the damping of the waves in the T due to the losses in the dielectrics. Tables are presented of the results of the calculation of both components of the damping of TE_{10} and TE_{30} modes in the T. The calculations were made for a 3 cm wave, 1 cm distance between the copper plates, dielectric constant 2, dielectric loss angle tangent 10^{-4} , and different values of the thickness of the dielectric plate and of the distance between them. V. Vzyaty'shev.

SUB CODE: EC

ENCL: 00

Card 2/2

LANDMAN, K.

The "communist labor movement" in the office of the Siberian Construction and Assembling Administration. Muk.-elev. prom. 28 no.6:23-24 Je '62. (MIRA 15:7)

1. Sibirskoye stroitel'no-montazhnoye upravleniye Spetsselevator-mel'stroy.
(Siberia--Construction workers)

TIEGERMANN, T., dr.; DANCULESCU, I., dr.; BUCUR, Gh., intern; LANDMAN, S.,
extern

Considerations on the vascular hypertensive syndrome in chronic
pyelonephritis. Med. intern., Bucur 12 no.11:1671-1676 N '60.

1. Lucrare efectuata in Clinica medicala a Spitalului "I.C. Primu",
I.M.F. Bucuresti.

(PYELONEPHRITIS complications) (HYPERTENSION)

LANDMAN, V. G.

10(3)

PHASE I BOOK EXPLOITATION

SOV/3518

Kovalev, Maksim Antonovich, Aleksandra Vasil'yevna Belova, Natal'ya Mikhaylovna
Markevich and Vera Gennadiyevna Landman

Rukovodstvo k laboratornym rabotam po aerogazodinamike (Laboratory Practice
Manual on Aero-Gas-Dynamics) [Leningrad] Izd-vo leningradskogo univ., 1959.
175 p. 2,500 copies printed.

Sponsoring Agency: Leningrad. Universitet.

Ed. (Title page): I. P. Ginzburg, Professor; Ed. (Inside book): N. I.
Busorgina; Tech. Ed.: Ye. G. Zhukova.

PURPOSE: This is a textbook for university students. It may also be useful to
students of schools of higher technical education and to engineering and
technical workers of scientific research laboratories.

COVERAGE: The book describes basic laboratory experiments in applied aero-
dynamics and gas dynamics. It contains a detailed description of 26 experi-
ments, 14 experiments in subsonic aerodynamics (Part I) and 12 experiments

Card 1/6

Laboratory Practice Manual (Cont.)

SOV/3518

in gas dynamics (some of which are supersonic) and hydrodynamics (Part II). Each description contains basic theoretical principles, experimental methods, and the data obtained. Part I was written by M. A. Kovalev. Part II and Experiments 1, 2, 3 and 4 by V. G. Landman; Experiment 5 by A. V. Belova and V. G. Landman; Experiments 6, 8, 9 and 10 by A. V. Belova; and Experiments 7, 11 and 12 by N. M. Markevich. Other authors in this field mentioned are A. K. Martynov, D. S. Gershenin, D. S. Vil'ker, and S. G. Popov.

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AERODYNAMICS

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PART II. LABORATORY EXPERIMENTS IN AERODYNAMICS AND
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Laboratory Practice Manual (Cont.)

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Laboratory Practice Manual (Cont.)

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Card 6/6

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5-4-60

BARANTSEV, R.G. (Leningrad); LANDMAN, V.G. (Leningrad)

Scattering on a spheroid. Zhur. vych. mat. i mat. fiz. 4 no. 4
(suppl. :291-295 '64. (MIRA 18:2)

TIEGERMANN, T., dr.; DANGIULESCU, I., dr.; BUCUR, Gh., intern; LANDMAS, S., extern

Some clinicostatistical data concerning the etiology of kidney diseases. Med. int., Bucur. 12 no.1:43-48 Ja '60.

1. Incrare efectuata in Clinica medicala a Spitalului "I.C. Primu", Bucuresti.

(KIDNEY DISEASES, etiology)

GUSEV, Vladimir Alekseyevich; GORLOV, Georgiy Dmitriyevich;
LANDO, Anatoliy Isaakovich; TELEPNEV, V.P., red.

[General contractor of the city of Kiev] General'nyi
podriadchik Kieva. Kiev, Budivel'nyk, 1965. 122 p.
(MIRA 18:8)

1. Glavnoye upravleniye po zhilishchnomu i grazhdanskomu
stroitel'stvu g. Kiyeva (for Gusev, Gorlov, Lando).

LANDO, I.I.

Forestry in Penza Province and some problems in its development.
Uch. zap. Penz. gos. ped. inst. no.6:253-294 '59. (MIRA 15:5)
(Penza Province--Forests and forestry)

LANDO, J.

"Problems of the development of electric drives," p. 49. (Przegląd Elektrotechniczny,
Vol. 30, no. 2, Feb 54, Warszawa)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress Jun 54 Uncl

LANDO, Jerzy, prof.

Institute of electrotechnics. Review Pol Academy 8 no.3:
43-49 J1-S'63.

1. Director of the Institute of Electrotechnics, Warsaw.

LANDO, Jerzy, prof.

Institute of Electrical Engineering of the Ministry of Heavy
Industry. Nauka polska 11 no.2:73-84 Mr-Ap '63.

1. Dyrektor Instytut Elektrotechniki, Warszawa-Miedzylesie,
Janosika 28.

LANDO, L.I.

Effect of insulin and electroconvulsive seizure on the aminophenase activity of the blood serum in schizophrenic patients. Vop. med. khim. 7 no.6:598-604 N-D '61. (MIRA 15:3)

1. Laboratory of Biochemistry of the State Research Institute of Psychiatry.

(TRANSAMINASES)

(SCHIZOPHRENIA)

(SHOCK THERAPY)

(INSULIN SHOCK THERAPY)

1ST AND 2ND COLUMNS																										3RD AND 4TH COLUMNS																									
PROCESSING AND PROPERTY INDEX																										160 AND 170 COLUMNS																									
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<p>Variations with age in the contents of cholesterol and saturated and unsaturated phosphatides in the central nervous system of rabbits. L. R. Rozenfeld and L. L. Lando. <i>Biochem. J.</i> (Ukraine) 16, 483-94 (in Russian, 495; in English, 495) (1940). -- There is a gradual increase of cholesterol from the av. 5.61% of the dry wt. of the brain in rabbits 2-6 days old (total brain 1.46 g.) to 0.74% of the gray, and 12.71% of the white matter in those 90-150 days old (total brain 6.08 g.; the adult brain is 0.33 g.). The av. P of the unsatd. phosphatides is 0.270-0.446% of the gray, and 0.370-0.604% of the white matter, resp.; it drops slightly in adults. The P of the satd. phosphatides follows the same curve. H. Gutell</p>																																																			
<p>ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			
<p>6-275 UNITS ASSIGNED</p>																																																			

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Influence of electro-spasm on the carbohydrate metabolism in schizophrenia. M. Ya. Serezhskii and L. I. Lando, *Neuropatol. i Psikhiat.* 15, No. 6, 19-21(1946).— A single elec. shock leads to an increase of blood sugar up to 50%. Repeated shocks give similar increases each time in about 50% of cases, the others give random responses. Lactic acid rises by 200-300% in single-shock treatments, the effect is gradually lost on repeated treatments. (3. M. Kovodapoff)

ASW 55A METALLURGICAL LITERATURE CLASSIFICATION

LANDO, L. I.

USSR/Medicine - Electrotherapy

Jan 1947

"Regular Results of Electro-Convulsive Therapy, Preliminary Communication,"
M. Y. Sereisky and L. I. Lando, 5 pp

"Byul Eksper Biol I Med" Vol XXIII, No 1

Deals with albumen exchange and content of sugar and lactic acid in the blood
during this treatment.

PA 1T52

119

ca

Stable after-effects of electric-shock therapy. III.
 Effect of the electrically induced convulsion on some
 phases of mineral metabolism in schizophrenics M.
 A. Serzhakii and L. I. Lando (Ministry Health, Mos-
 cow). *Byull. Eksp. Biol. Med.* 24, 355-9(1948); cf.
ibid. 23, 1(1947).—Before the shock treatment the av.
 blood levels in a variety of schizophrenics were: 3.4 in-
 org. P, 11.5 Ca, and 17.5 mg. % K. Immediately after
 the elec. shock inorg. P rose by 18, Ca rose by 13, and K
 rose by 8.2%. One hr. after the shock inorg. P fell some-
 what below the normal level and K and Ca fluctuated
 considerably. After repeated shocks the results obtained
 are indistinguishable from the immediate after-effects of
 a single shock. G. M. Kosolapoff

ASB 3.1.1 METABOLICAL LITERATURE CLASSIFICATION

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Lando, L. I. - "Persistent after-effects of electro-convulsive therapy and measures to combat them," Report 2, M. Ya Sereyskiy and L. I. Lando, "The effect of electro-convulsive spasm on the protein metabolism in schizophrenia," Trudy Tsent. in-ta psikhiatrii, Vol. IV, 1949, p. 309-21

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

LANDO, L. I.; ZELEV, M. S.

Dynamics of biochemical changes of the blood in combined therapy
of psychiatric patients with electroshock and somnifacients.
Zh. nevropat. psikhiat., Moskva 52 no.3:53-59 Mar 1952. (CLML 22:2)

1. Of the Psychiatric Clinic and Biochemical Laboratory (Head -- Prof.
M. Ya. Sereskiy), Central Institute of Psychiatry, Ministry of Public
Health RSFSR (Director -- Docent D. Ye. Melekhov).

SEREYSKIY, M.Ya.; ZELEVA, M.S.; LANDO, L.I.

Prolonged sleep therapy in schizophrenia; preliminary report. Zhur.nevr.i
psikh. 53 no.10:775-784 0 '53. (MLBA 6:10)

1. Institut psikhiiatrii Ministerstva zdavookhraneniya RSFSR. 2. Kliniche-
skaya psikhiatricheskaya bol'nitsa im. P.B.Gannushkina.
(Schizophrenia) (Sleep)

LANDO, D.I.

L.
BANDAS, B.S.; LANDO, D.I.; LEVYOVICH, A.P.; NULLEB, Yu.B.; TARASOV, G.K.;
TSIVIL'KO, V.S.

Investigations on prolonged medicinal sleep in animals; preliminary
communication. Zhur. nerv. i psikh. 54 no.9:773-787 S '54. (MLRA 7:9)

1. Kafedra psikhatrii Tsentral'nogo instituta usovershenstvovaniya
vrachey i Nauchno-issledovatel'skiy institut psikhatrii Ministerstva
zdravookhraneniya RSFSR.

(SLEEP, effects,
in dogs)

LANDO, L. I.

✓ The mechanism of action of aminazine. B. S. Hamdas, G. P. Gled, L. I. Lando, A. P. Levkovich, Ya. K. Tarasov, and I. M. Kharin (Central Med. Inst. Post Graduate, and State Inst. Psychiatry, Moscow). *Zhur. Nevropatol. i. Psikiatrii im. Korotkova* 56, 121-38 (1958).—Authors studied the mechanism of action of aminazine, its effect upon the higher nervous system and on some physiol. functions, as well as the degree of toxicity resulting from short-time and prolonged (chronic) administration of the drug. The frequency and duration of the administration of aminazine approximated those prevailing under practical clinical conditions. Rats, rabbits and dogs served as the exper. animals. Acute and chronic exps. were performed on dogs with developed conditioned defense reflex responses and upon dogs with developed conditioned salivary reflexes and on rats with developed motor and gastro-nutritional reflexes. The administration of aminazine (especially when administered systematically) caused a generalized muscular flabbiness, occasionally a generalized numbness and a marked prolongation of the period of sleep, which in some of the animals is of a deeper than normal character. Under chronic administration of the drug the animal becomes apathetic to the treatment. Long administration of aminazine seems to have a beneficial effect on the animal's appetite. Aminazine frequently causes the lowering of the dog's temperature. This is even more sharply in evidence in the rat. The arterial blood pressure of the dog administered moderate doses of the aminazine rapidly drops to 20 mm. Small doses of the aminazine bring about a mild tachycardia in the dog, and as the dose of the drug is increased the pulse becomes labile. Small and medium doses of aminazine lower the dog's respiration rate, but large doses increase it. The

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Barbas, R.S. - Glod G.D.

subcortical centers constitute one of the regions of the central nervous system which are directly affected by aminazine. Prolonged increased doses of aminazine result in a lowering of the albumin/globulin ratio, a frequent hypoglycemia of the blood, and a lowering of the prothrombin level. There are observed also a frequent drop in the no. of the erythrocytes and in the hemoglobin, a labile lymphopenia, a relative increase in the complement properties of the blood, a relative leucopenia and an increase in the time of sedimentation of the erythrocytes. Subcutaneous injection of 20 mg/kg. and intraperitoneal administration of 12.5 mg/kg. causes an increase in the blood sugar of the rabbit. The hyperglycemic effect of adrenalin in the presence of aminazine is not lowered and occasionally is higher. Aminazine notably delays the hypoglycemic effect of insulin. The clinical symptoms of aminazine intoxication are negligible. Traces of blood were observed in the feces of the exptl. dogs. The morphologic changes in the brain and in the internal organs of animals subjected to prolonged treatment with aminazine are most noted in the vascular system and bear the characteristics of a vascular permeability and spotted blood exudation into the adjacent tissues. Changes in the brain cells in the majority of cases are limited to manifestations of edemas, particularly in the cell nuclei.

These changes are thought to be of a reversible character. The reaction of the gastro- and oligodendroglia bear the characteristics of a proliferative process. The macroscopic changes of the exposed brain are less notable than in the case of prolonged barbanil administration to dogs and in the majority of instances such changes are reversible.

B.S. Levine

2/2

LANDO, L.I.(Moskva)

Certain biological modifications in mental patients treated with
aminazine; preliminary report. Zhur. nevr. i psikh. 56 no.2:180-186
'56. (MLBA 9:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut psikhatrii
(dir.-dotsent D.Ye. Melekhov) Ministerstva zdravookhraneniya
RSFSR, Moskva.

(CHLORPROMAZINE, therapeutic use,
ment. disord., eff. on biol. indices (Rus))

(MENTAL DISORDERS, therapy,
chlorpromazine, eff. on biol. indices (Rus))

LANDO, L.I.

RAVKIN, I.G.; ALEKSANDROVA, A.P.; LANDO, L.I.; RODIN, I.L.

Reactions in chronic schizophrenia to polyvalent antiencephalitic serum used for therapeutic purposes [with summary in French]. Zhur. nevr. i psikh. 57 no.1:87-94 '57. (MLRA 10:3)

1. Nauchno-issledovatel'skiy institut psikiatrii (dir. - prof. V.M. Banskchikov) Ministerstva zdoravookhraneniya RSFSR i Institut virusologii AMN SSSR, Moskva.

(SCHIZOPHRENIA, ther.

antiencephalitis serum, causing reaction, EEG)

(IMMUNE SERUMS, ther. use

antiencephalitis serum in schizophrenia, causing reaction, EEG)

(ELECTROENCEPHALOGRAPHY, in various dis.

antiencephalitis serum ther. in schizophrenia causing reaction)

LANDO, L.I.

Changes in nitrogen and carbohydrate metabolism in schizophrenia following treatment with prolonged and intermittent sleep [with summary in French]. Zhur.nevr. i psikh. 57 no.2:229-236 '57.

(MLRA 10:6)

1. Gosudarstvennyy institut psikiatrii (dir. - prof. V.M. Banskchikov) Ministerstva zdravookhraneniya RSFSR, Moskva.

(SCHIZOPHRENIA, metab.

nitrogen & carbohydrates during ther. with prolonged & intermittent sleep)

(NITROGEN, metab.

in schizophrenia during ther. with prolonged & intermittent sleep)

(CARBOHYDRATES, metab.

same)

(SLEEP, ther. use

prolonged & intermittent sleep in schizophrenia, nitrogen & carbohydrate metab. in)

- Lando, L. I.

COUNTRY	:	USSR	V
CATEGORY	:	Pharmacology and Toxicology. Analeptics	
ABR. JOUR.	:	RZhBiol., No. 5 1959, No. 23064	
AUTHOR	:	Tiganov, A. S.; Golubykh, L. I.; Kamenskaya,*	
INST.	:	-	
TITLE	:	Experience in the Use of Meratran and Frenquel in Patients with a Paranoid Form of Schizophrenia	
ORIG. PUB.	:	Zh. nevropatol. i psikhologii, 1958, 58, No 5, 600-615	
ABSTRACT	:	In 4 patients with a paranoid form of schizophrenia, administration of 6-10 mg a day of meratran during 5-12 days caused aggravation of psychosis, an increase of quick rhythms on the EEG, reinforcement of the excitation focus, generalization of the excitation process, an increase of unconditioned reflex activity, and intensification of the pathological changes in protein and nitrogen	
		*V. M.; Lando, L. I.	
Card:		1/2	

COUNTRY : V
CATEGORY :
ABS. JOUR. : RZhBiol., No.5 1959, No. 23084
AUTHOR :
INST. :
TITLE :
ORIG. PUB. :
ABSTRACT : metabolism and oxidizing processes. Subsequent
cont'd treatment with 0.4-0.5 g of frenquel during 19-41
days produced a positive result in only one pa-
tient. Upon treatment with frenquel, biochemical
indicators returned to initial figures and some-
times normalized. Treatment with aminazin or re-
serpine brought about clinical improvement in all
4 patients. Normalization of EEG occurred in 3
patients, and that of biochemical indicators in 2.
Card: 2/2

LANDO, L.I.

Electrophoretic investigations of protein fractions of the blood serum in schizophrenic patients and the effect of neuroleptic therapy on their dynamics [with summary in French]. Zhur.nevr. i psikh. 59 no.2:135-142 '59. (MIRA 12:4)

1. Gosudarstvennyy institut psikiatrii (dir. - prof. V.M. Banskhi-kov) Ministerstva zdravookhraneniya RSFSR, Moskva.

(CHLORPROMAZINE, therapeutic use,

schizophrenia, eff. on serum albumins (Rus))

(SCHIZOPHRENIA, ther.

chlorpromazine, eff. on serum albumin (Rus))

(SERUM ALBUMIN, determ.

electrophoresis in schizophrenia, eff. of
chlorpromazine (Rus))

CHALISOV, M.A., prof.; LANDO, L.I., kand. biol. nauk, st. nauchnyy sotr;
BANSHCHIKOV, V.M., prof., red.

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